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<p>(21) International Application Number: PCT/CA99/01230</p> <p>(22) International Filing Date: 23 December 1999 (23.12.99)</p> <p>(30) Priority Data:</p> <table border="0"> <tr><td>60/113,280</td><td>23 December 1998 (23.12.98)</td><td>US</td></tr> <tr><td>60/113,281</td><td>23 December 1998 (23.12.98)</td><td>US</td></tr> <tr><td>60/113,282</td><td>23 December 1998 (23.12.98)</td><td>US</td></tr> <tr><td>60/113,283</td><td>23 December 1998 (23.12.98)</td><td>US</td></tr> <tr><td>60/113,284</td><td>23 December 1998 (23.12.98)</td><td>US</td></tr> <tr><td>60/113,285</td><td>23 December 1998 (23.12.98)</td><td>US</td></tr> <tr><td>60/113,385</td><td>23 December 1998 (23.12.98)</td><td>US</td></tr> <tr><td>60/114,050</td><td>28 December 1998 (28.12.98)</td><td>US</td></tr> <tr><td>60/114,056</td><td>28 December 1998 (28.12.98)</td><td>US</td></tr> <tr><td>60/114,057</td><td>28 December 1998 (28.12.98)</td><td>US</td></tr> <tr><td>60/114,058</td><td>28 December 1998 (28.12.98)</td><td>US</td></tr> <tr><td>60/114,059</td><td>28 December 1998 (28.12.98)</td><td>US</td></tr> <tr><td>60/114,061</td><td>28 December 1998 (28.12.98)</td><td>US</td></tr> </table>		60/113,280	23 December 1998 (23.12.98)	US	60/113,281	23 December 1998 (23.12.98)	US	60/113,282	23 December 1998 (23.12.98)	US	60/113,283	23 December 1998 (23.12.98)	US	60/113,284	23 December 1998 (23.12.98)	US	60/113,285	23 December 1998 (23.12.98)	US	60/113,385	23 December 1998 (23.12.98)	US	60/114,050	28 December 1998 (28.12.98)	US	60/114,056	28 December 1998 (28.12.98)	US	60/114,057	28 December 1998 (28.12.98)	US	60/114,058	28 December 1998 (28.12.98)	US	60/114,059	28 December 1998 (28.12.98)	US	60/114,061	28 December 1998 (28.12.98)	US	<p>(72) Inventors; and (75) Inventors/Applicants (for US only): MURDIN, Andrew, D. [CA/CA]; 146 Rhodes Circle, Newmarket, Ontario L3X 1V2 (CA). OOMEN, Raymond, P. [CA/CA]; RR No. 1, Schomberg, Ontario L0G 1T0 (CA). WANG, Joe [CA/CA]; 48 29th Street, Etobicoke, Ontario M8W 3A8 (CA).</p> <p>(74) Agents: MORROW, Joy, D. et al.; Smart & Biggar, Station D, 900 - 55 Metcalfe Street, P.O. Box 2999, Ottawa, Ontario K1P 6L5 (CA).</p> <p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p>
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<p>(71) Applicant (for all designated States except US): CONNAUGHT LABORATORIES LIMITED [CA/CA]; 1755 Steeles Avenue West, Willowdale, Ontario M2R 3T4 (CA).</p>		<p>Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</p>																																							
<p>(54) Title: CHLAMYDIA ANTIGENS AND CORRESPONDING DNA FRAGMENTS AND USES THEREOF</p>																																									
<p>(57) Abstract</p> <p>The present invention provides purified and isolated polynucleotide molecules that encode <i>Chlamydia</i> polypeptides which can be used in methods to prevent, treat, and diagnose <i>Chlamydia</i> infection. In one form of the invention, the polynucleotide molecules are selected from DNA that encode polypeptides CPN100686 RY 54 (SEQ ID Nos: 1 and 14), CPN100696 RY-55 (SEQ ID Nos: 2 and 15), CPN100709 RY-57 (SEQ ID Nos: 3 and 16), CPN100710 RY-58 (SEQ ID Nos: 4 and 17), CPN100711 RY-59 (SEQ ID Nos: 5 and 18), CPN100877 RY-61 (SEQ ID Nos: 6 and 19), CPN100325 RY-62 (SEQ ID Nos: 7 and 20), CPN100368 RY-63 (SEQ ID Nos: 8 and 21), CPN100624 RY-64 (SEQ ID Nos: 9 and 22), CPN100633 RY-65 (SEQ ID Nos: 10 and 23), CPN100985 RY-66 (SEQ ID Nos: 11 and 24), CPN100987 RY-67 (SEQ ID Nos: 12 and 25) and CPN100988 RY-68 (SEQ ID Nos: 13 and 26).</p>																																									